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Dec. 17 1912

CONCORD RADIATORS



UNION
RADIATOR
COMPANY
JOHNSTOWN
PA. U.S.A.



C O N C O R D
STEAM AND HOT WATER
R A D I A T O R S



THE PRODUCT OF THE
UNION RADIATOR COMPANY
JOHNSTOWN, PA.
U. S. A.

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Victor Ballou Company
Johnson, Pa.
U. S. A.



UNION RADIATOR COMPANY



JOHNSTOWN, PA.



IN this catalogue we make no attempt to show our entire line of radiators, but what we do show we have endeavored to illustrate well. In making the engravings of an unusually large size, it is our hope that they will aid not only in furthering the sale of "CONCORD" Radiators, but that they might be an important factor in influencing the consumer to decide in favor of heating by radiation instead of by hot air furnace or other less effective methods. All engravings have been made from photographs of our "CONCORD" Radiators, hence the faithful portrayal of every detail. Complete catalogues to be published later will show our entire production of steam or hot water radiators and specialties.

Devoted to the manufacture of radiators are many honorable houses which enjoy a reputation for quality, coupled with many years of experience in the field. Our comparative youth does not permit us the distinction of age, nevertheless our products are and have been since their foundation of the highest quality, so that we may justly claim that every radiator bearing the imprint Union Radiator Company ranks with the highest class product in the field. It is on the basis of "quality" that we are building for the future.

Our equipment is strictly modern and our plant is operated by skilled labor under the guidance of men educated in the business. Vigilant care is exercised in the selection of the materials used, and only castings shown by test to be perfect are used in our radiators. Every radiator is subjected to an one-hundred-pound hydraulic test before assembling and after, and all connections are made with extra heavy zinc-coated slip nipples. All castings are clean and smooth, free from dust lodging places, and the decoration pleasing, as will be seen from the illustrations.

Highest quality always has been, is now, and will continue to be our attainment, and we offer the radiators shown herein with the secure belief that better can not be obtained, and we respectfully invite correspondence relative to the radiators shown or to the radiators which we are prepared to furnish for every heating requirement. Our name Union Radiator Company is cast in relief on every radiator.

UNION RADIATOR COMPANY

"CONCORD" Single-Column Radiator

Ornamental Steam or Hot Water Radiator

Section	Length, $2\frac{1}{2}$ Inches per Section	28 Inches High 3 Feet per Section	32 Inches High $2\frac{1}{2}$ Feet per Section	26 Inches High 2 Feet per Section	23 Inches High $1\frac{1}{2}$ Feet per Section	20 Inches High $1\frac{1}{2}$ Feet per Section
2	5	6	5	4	$3\frac{1}{8}$	3
3	$7\frac{1}{2}$	9	$7\frac{1}{2}$	6	5	$4\frac{1}{2}$
4	10	12	10	8	$6\frac{2}{3}$	6
5	$12\frac{1}{2}$	15	$12\frac{1}{2}$	10	$8\frac{1}{4}$	$7\frac{1}{2}$
6	15	18	15	12	10	9
7	$17\frac{1}{2}$	21	$17\frac{1}{2}$	14	$11\frac{2}{4}$	$10\frac{1}{2}$
8	20	24	20	16	$13\frac{1}{2}$	12
9	$22\frac{1}{2}$	27	$22\frac{1}{2}$	18	15	$13\frac{1}{4}$
10	25	30	25	20	$16\frac{2}{3}$	15
11	$27\frac{1}{2}$	33	$27\frac{1}{2}$	22	$18\frac{1}{4}$	$16\frac{1}{2}$
12	30	36	30	24	20	18
13	$32\frac{1}{2}$	39	$32\frac{1}{2}$	26	$21\frac{2}{4}$	$19\frac{1}{4}$
14	35	42	35	28	$23\frac{1}{4}$	21
15	$37\frac{1}{2}$	45	$37\frac{1}{2}$	30	25	$22\frac{1}{4}$
16	40	48	40	32	$26\frac{2}{3}$	24
17	$42\frac{1}{2}$	51	$42\frac{1}{2}$	34	28 $\frac{1}{4}$	$25\frac{1}{2}$
18	45	54	45	36	30	27
19	$47\frac{1}{2}$	57	$47\frac{1}{2}$	38	$31\frac{1}{4}$	$28\frac{1}{2}$
20	50	60	50	40	$33\frac{1}{4}$	30
21	$52\frac{1}{2}$	63	$52\frac{1}{2}$	42	35	$31\frac{1}{2}$
22	55	66	55	44	$36\frac{2}{3}$	33
23	$57\frac{1}{2}$	69	$57\frac{1}{2}$	46	$38\frac{1}{4}$	$34\frac{1}{2}$
24	60	72	60	48	40	36
25	$62\frac{1}{2}$	75	$62\frac{1}{2}$	50	$41\frac{2}{4}$	$37\frac{1}{4}$
26	65	78	65	52	$43\frac{1}{4}$	39
27	$67\frac{1}{2}$	81	$67\frac{1}{2}$	54	45	$40\frac{1}{2}$
28	70	84	70	56	$46\frac{2}{3}$	42
29	$72\frac{1}{2}$	87	$72\frac{1}{2}$	58	$48\frac{1}{4}$	$43\frac{1}{2}$
30	75	90	75	60	50	45
31	$77\frac{1}{2}$	93	$77\frac{1}{2}$	62	$51\frac{1}{4}$	$46\frac{1}{2}$
32	80	96	80	64	$53\frac{1}{4}$	48
List Price per Square Foot		\$0.42	\$0.46	\$0.50	\$0.53	\$0.57

Distance from floor to center of tapping boss is 3 inches.

Width of radiator, $4\frac{1}{2}$ inches.

Width of legs, $5\frac{1}{4}$ inches.

For regular tappings see page 22.

U N I O N R A D I A T O R C O M P A N Y



"UNION"
JOHNSTOWN, PA

"CONCORD" Single-Column Radiator
Ornamental Steam or Hot Water Radiator

UNION RADIATOR COMPANY

"CONCORD" Two-Column Radiator

Ornamental Steam or Hot Water Radiator

Section	Length inches per Section	45 Inches High 5 Feet per Section	38 Inches High 4 Feet per Section	32 Inches High 3½ Feet per Section	26 Inches High 2½ Feet per Section	23 Inches High 2¼ Feet per Section	20 Inches High 2 Feet per Section
2	5	10	8	6 ² / ₃	5 ¹ / ₃	4 ² / ₃	4
3	7½	15	12	10	8	7	6
4	10	20	16	13 ¹ / ₃	10 ² / ₃	9 ¹ / ₃	8
5	12½	25	20	16 ² / ₃	13 ¹ / ₃	11 ² / ₃	10
6	15	30	24	20	16	14	12
7	17½	35	28	23 ¹ / ₃	18 ² / ₃	16 ¹ / ₃	14
8	20	40	32	26 ² / ₃	21 ¹ / ₃	18 ² / ₃	16
9	22½	45	36	30	24	21	18
10	25	50	40	33 ¹ / ₃	26 ² / ₃	23 ¹ / ₃	20
11	27½	55	44	36 ² / ₃	29 ¹ / ₃	25 ² / ₃	22
12	30	60	48	40	32	28	24
13	32½	65	52	43 ¹ / ₃	34 ² / ₃	30 ¹ / ₃	26
14	35	70	56	46 ² / ₃	37 ¹ / ₃	32 ² / ₃	28
15	37½	75	60	50	40	35	30
16	40	80	64	53 ¹ / ₃	42 ² / ₃	37 ¹ / ₃	32
17	42½	85	68	56 ² / ₃	45 ¹ / ₃	39 ² / ₃	34
18	45	90	72	60	48	42	36
19	47½	95	76	63 ¹ / ₃	50 ² / ₃	44 ¹ / ₃	38
20	50	100	80	66 ² / ₃	53 ¹ / ₃	46 ² / ₃	40
21	52½	105	84	70	56	49	42
22	55	110	88	73 ¹ / ₃	58 ² / ₃	51 ¹ / ₃	44
23	57½	115	92	76 ² / ₃	61 ¹ / ₃	53 ² / ₃	46
24	60	120	96	80	64	56	48
25	62½	125	100	83 ¹ / ₃	66 ² / ₃	58 ¹ / ₃	50
26	65	130	104	86 ² / ₃	69 ¹ / ₃	60 ² / ₃	52
27	67½	135	108	90	72	63	54
28	70	140	112	93 ¹ / ₃	74 ² / ₃	65 ¹ / ₃	56
29	72½	145	116	96 ² / ₃	77 ¹ / ₃	67 ² / ₃	58
30	75	150	120	100	80	70	60
31	77½	155	124	103 ¹ / ₃	82 ² / ₃	72 ¹ / ₃	62
32	80	160	128	106 ² / ₃	85 ¹ / ₃	74 ² / ₃	64
Last Price per Sq. Ft.		\$0.41	\$0.42	\$0.46	\$0.50	\$0.53	\$0.57

Distance from floor to center of tapping boss is 5 inches.

Width of radiator, 7½ inches.

Width of legs, 8 inches.

For regular tappings see page 22.

U N I O N R A D I A T O R C O M P A N Y



"CONCORD" Two-Column Radiator

Ornamental Steam or Hot Water Radiator

U N I O N R A D I A T O R C O M P A N Y

“CONCORD” Three-Column Radiator

Ornamental Steam or Hot Water Radiator

Section	10 1/2 Inches High 3 1/2 Feet per Section	12 Inches High 4 Feet per Section	14 Inches High 5 Feet per Section	16 Inches High 4 1/2 Feet per Section	18 Inches High 3 1/2 Feet per Section	20 Inches High 2 1/2 Feet per Section
2	5	12	10	9	7 1/2	5 1/2
3	7 1/2	18	15	13 1/2	11 1/4	8 1/4
4	10	24	20	18	15	11
5	12 1/2	30	25	22 1/2	18 3/4	13 3/4
6	15	36	30	27	22 1/2	16 1/2
7	17 1/2	42	35	31 1/2	26 1/4	19 1/4
8	20	48	40	36	30	22
9	22 1/2	54	45	40 1/2	33 3/4	24 3/4
10	25	60	50	45	37 1/2	27 1/2
11	27 1/2	66	55	49 1/2	41 1/4	30 1/4
12	30	72	60	54	45	33
13	32 1/2	78	65	58 1/2	48 3/4	35 3/4
14	35	84	70	63	52 1/2	38 1/2
15	37 1/2	90	75	67 1/2	56 1/4	41 1/4
16	40	96	80	72	60	44
17	42 1/2	102	85	76 1/2	63 3/4	46 3/4
18	45	108	90	81	67 1/2	49 1/2
19	47 1/2	114	95	85 1/2	71 1/4	52 1/4
20	50	120	100	90	75	55
21	52 1/2	126	105	94 1/2	78 3/4	57 3/4
22	55	132	110	99	82 1/2	60 1/2
23	57 1/2	138	115	103 1/2	86 1/4	63 1/4
24	60	144	120	108	90	66
25	62 1/2	150	125	112 1/2	93 3/4	68 3/4
26	65	156	130	117	97 1/2	71 1/2
27	67 1/2	162	135	121 1/2	101 1/4	74 1/4
28	70	168	140	126	105	77
29	72 1/2	174	145	130 1/2	108 3/4	79 3/4
30	75	180	150	135	112 1/2	82 1/2
31	77 1/2	186	155	139 1/2	116 1/4	85 1/4
32	80	192	160	144	120	88
List Price per Sq. Ft.	So. 41	So. 42	So. 46	So. 50	So. 53	So. 57

Distance from floor to center of tapping boss is 5 inches.

Width of radiator, 9 inches.

Width of legs, 10 1/4 inches.

For regular tappings see page 22.

U N I O N R A D I A T O R C O M P A N Y



"CONCORD" Three-Column Radiator
Ornamental Steam or Hot Water Radiator

U N I O N R A D I A T O R C O M P A N Y

"CONCORD" Five-Column Radiator

Ornamental Steam or Hot Water Radiator

Section	Length inches per Section	48 Inches High 8 Feet per Section	32 Inches High 7 Feet per Section	26 Inches High 6 Feet per Section	22 Inches High 5 Feet per Section
2	5	16	14	12	10
3	7 ¹ / ₂	24	21	18	15
4	10	32	28	24	20
5	12 ¹ / ₂	40	35	30	25
6	15	48	42	36	30
7	17 ¹ / ₂	56	49	42	35
8	20	64	56	48	40
9	22 ¹ / ₂	72	63	54	45
10	25	80	70	60	50
11	27 ¹ / ₂	88	77	66	55
12	30	96	84	72	60
13	32 ¹ / ₂	104	91	78	65
14	35	112	98	84	70
15	37 ¹ / ₂	120	105	90	75
16	40	128	112	96	80
17	42 ¹ / ₂	136	119	102	85
18	45	144	126	108	90
19	47 ¹ / ₂	152	133	114	95
20	50	160	140	120	100
21	52 ¹ / ₂	168	147	126	105
22	55	176	154	132	110
23	57 ¹ / ₂	184	161	138	115
24	60	192	168	144	120
25	62 ¹ / ₂	200	175	150	125
26	65	208	182	156	130
27	67 ¹ / ₂	216	189	162	135
28	70	224	196	168	140
29	72 ¹ / ₂	232	203	174	145
30	75	240	210	180	150
31	77 ¹ / ₂	248	217	186	155
32	80	256	224	192	160
List price per Square Foot		\$0.42	\$0.46	\$0.50	\$0.53

Distance from floor to center of tapping boss is 5 inches.

Width of radiator, 12 inches.

Width of legs, 13 inches.

For regular tappings see page 22.

U N I O N R A D I A T O R C O M P A N Y



"CONCORD" Five-Column Radiator
Ornamental Steam or Hot Water Radiator

U N I O N R A D I A T O R C O M P A N Y

"CONCORD" Five-Column Window Radiator

Ornamental Steam or Hot Water Radiator

Size (in)	Length 2 1/2 Inches per Section	20 Inches High 5 Feet per Section	18 Inches High 4 Feet per Section	14 Inches High 3 Feet per Section
2	5	10	8	6
3	7 1/2	15	12	9
4	10	20	16	12
5	12 1/2	25	20	15
6	15	30	24	18
7	17 1/2	35	28	21
8	20	40	32	24
9	22 1/2	45	36	27
10	25	50	40	30
11	27 1/2	55	44	33
12	30	60	48	36
13	32 1/2	65	52	39
14	35	70	56	42
15	37 1/2	75	60	45
16	40	80	64	48
17	42 1/2	85	68	51
18	45	90	72	54
19	47 1/2	95	76	57
20	50	100	80	60
21	52 1/2	105	84	63
22	55	110	88	66
23	57 1/2	115	92	69
24	60	120	96	72
25	62 1/2	125	100	75
26	65	130	104	78
27	67 1/2	135	108	81
28	70	140	112	84
29	72 1/2	145	116	87
30	75	150	120	90
31	77 1/2	155	124	93
32	80	160	128	96
List Price per Square Foot		\$0.57	\$0.58	\$0.64

Distance from floor to center of tapping boss is 3 inches.

Width of radiator, 12 inches.

Width of legs, 13 inches.

For regular tappings see page 22.

U N I O N R A D I A T O R C O M P A N Y



"CONCORD" Five-Column Window Radiator
Ornamental Steam or Hot Water Radiator

U N I O N R A D I A T O R C O M P A N Y

“CONCORD” Two-Column Radiator

Plain Steam or Hot Water Radiator

Section	Length 2 1/2 Inches per Section	45 Inches High 5 Feet per Section	38 Inches High 4 Feet per Section	32 Inches High 3 1/3 Feet per Section	26 Inches High 2 2/3 Feet per Section	23 Inches High 2 1/3 Feet per Section	20 Inches High 2 Feet per Section
2	5	10	8	6 2/3	5 1/3	4 2/3	4
3	7 1/2	15	12	10	8	7	6
4	10	20	16	13 1/3	10 2/3	9 1/3	8
5	12 1/2	25	20	16 2/3	13 1/3	11 2/3	10
6	15	30	24	20	16	14	12
7	17 1/2	35	28	23 1/3	18 2/3	16 1/3	14
8	20	40	32	26 2/3	21 1/3	18 2/3	16
9	22 1/2	45	36	30	24	21	18
10	25	50	40	33 1/3	26 2/3	23 1/3	20
11	27 1/2	55	44	36 2/3	29 1/3	25 2/3	22
12	30	60	48	40	32	28	24
13	32 1/2	65	52	43 1/3	34 2/3	30 1/3	26
14	35	70	56	46 2/3	37 1/3	32 2/3	28
15	37 1/2	75	60	50	40	35	30
16	40	80	64	53 1/3	42 2/3	37 1/3	32
17	42 1/2	85	68	56 2/3	45 1/3	39 2/3	34
18	45	90	72	60	48	42	36
19	47 1/2	95	76	63 1/3	50 2/3	44 1/3	38
20	50	100	80	66 2/3	53 1/3	46 2/3	40
21	52 1/2	105	84	70	56	49	42
22	55	110	88	73 1/3	58 2/3	51 1/3	44
23	57 1/2	115	92	76 2/3	61 1/3	53 2/3	46
24	60	120	96	80	64	56	48
25	62 1/2	125	100	83 1/3	66 2/3	58 1/3	50
26	65	130	104	86 2/3	69 1/3	60 2/3	52
27	67 1/2	135	108	90	72	63	54
28	70	140	112	93 1/3	74 2/3	65 1/3	56
29	72 1/2	145	116	96 2/3	77 1/3	67 2/3	58
30	75	150	120	100	80	70	60
31	77 1/2	155	124	103 1/3	82 2/3	72 1/3	62
32	80	160	128	106 2/3	85 1/3	74 2/3	64
List Price per Sq. Ft.		\$0.41	\$0.42	\$0.46	\$0.50	\$0.53	\$0.57

Distance from floor to center of tapping boss is 5 inches.

Width of radiator, 7 1/2 inches.

Width of legs, 8 inches.

For regular tappings see page 22.

U N I O N R A D I A T O R C O M P A N Y



“CONCORD” Two-Column Radiator
Plain Steam or Hot Water Radiator

U N I O N R A D I A T O R C O M P A N Y

“CONCORD” Three-Column Radiator

Plain Steam or Hot Water Radiator

Section	Length 2½ Inches per Section	45 Inches High 6 Feet per Section	38 Inches High 5 Feet per Section	32 Inches High 4½ Feet per Section	26 Inches High 3½ Feet per Section	23 Inches High 3¼ Feet per Section	20 Inches High 2¾ Feet per Section
2	5	12	10	9	7½	6½	5½
3	7½	18	15	13½	11¼	9¾	8¼
4	10	24	20	18	15	13	11
5	12½	30	25	22½	18¾	16¼	13¾
6	15	36	30	27	22½	19½	16½
7	17½	42	35	31½	26¼	22¾	19¼
8	20	48	40	36	30	26	22
9	22½	54	45	40½	33¾	29¼	24¾
10	25	60	50	45	37½	32½	27½
11	27½	66	55	49½	41¼	35¾	30¼
12	30	72	60	54	45	39	33
13	32½	78	65	58½	48¾	42¼	35¾
14	35	84	70	63	52½	45½	38½
15	37½	90	75	67½	56¼	48¾	41¼
16	40	96	80	72	60	52	44
17	42½	102	85	76½	63¾	55¼	46¾
18	45	108	90	81	67½	58½	49½
19	47½	114	95	85½	71¼	61¾	52¼
20	50	120	100	90	75	65	55
21	52½	126	105	94½	78¾	68¼	57¾
22	55	132	110	99	82½	71½	60½
23	57½	138	115	103½	86¼	74¾	63¼
24	60	144	120	108	90	78	66
25	62½	150	125	112½	93¾	81¼	68¾
26	65	156	130	117	97½	84½	71½
27	67½	162	135	121½	101¼	87¾	74¼
28	70	168	140	126	105	91	77
29	72½	174	145	130½	108¾	94¼	79¾
30	75	180	150	135	112½	97½	82½
31	77½	186	155	139½	116¼	100¾	85¼
32	80	192	160	144	120	104	88
List Price per Sq. Ft.		\$0.41	\$0.42	\$0.46	\$0.50	\$0.53	\$0.57

Distance from floor to center of tapping boss is 5 inches.

Width of radiator, 9 inches.

Width of legs, 10¼ inches.

For regular tappings see page 22.

U N I O N R A D I A T O R C O M P A N Y



"UNION"
JOHNSTOWN, PA.

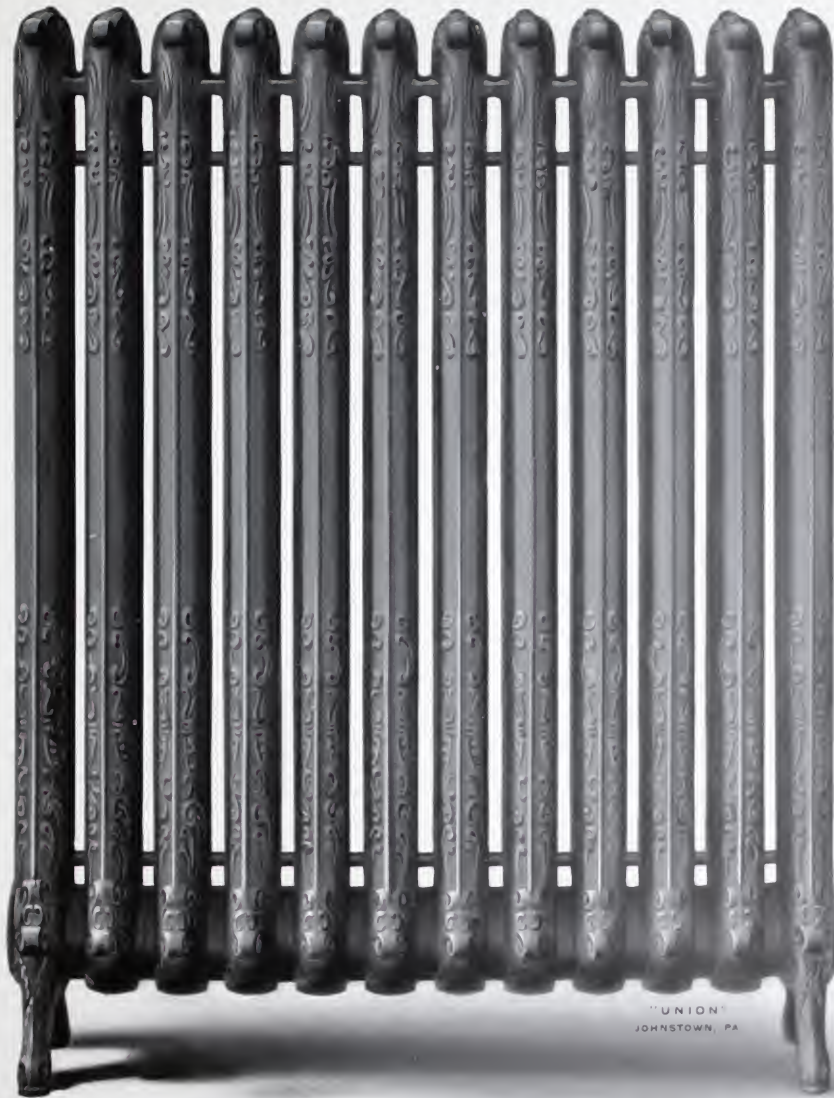
"CONCORD" Three-Column Radiator
Plain Steam or Hot Water Radiator

U N I O N R A D I A T O R C O M P A N Y



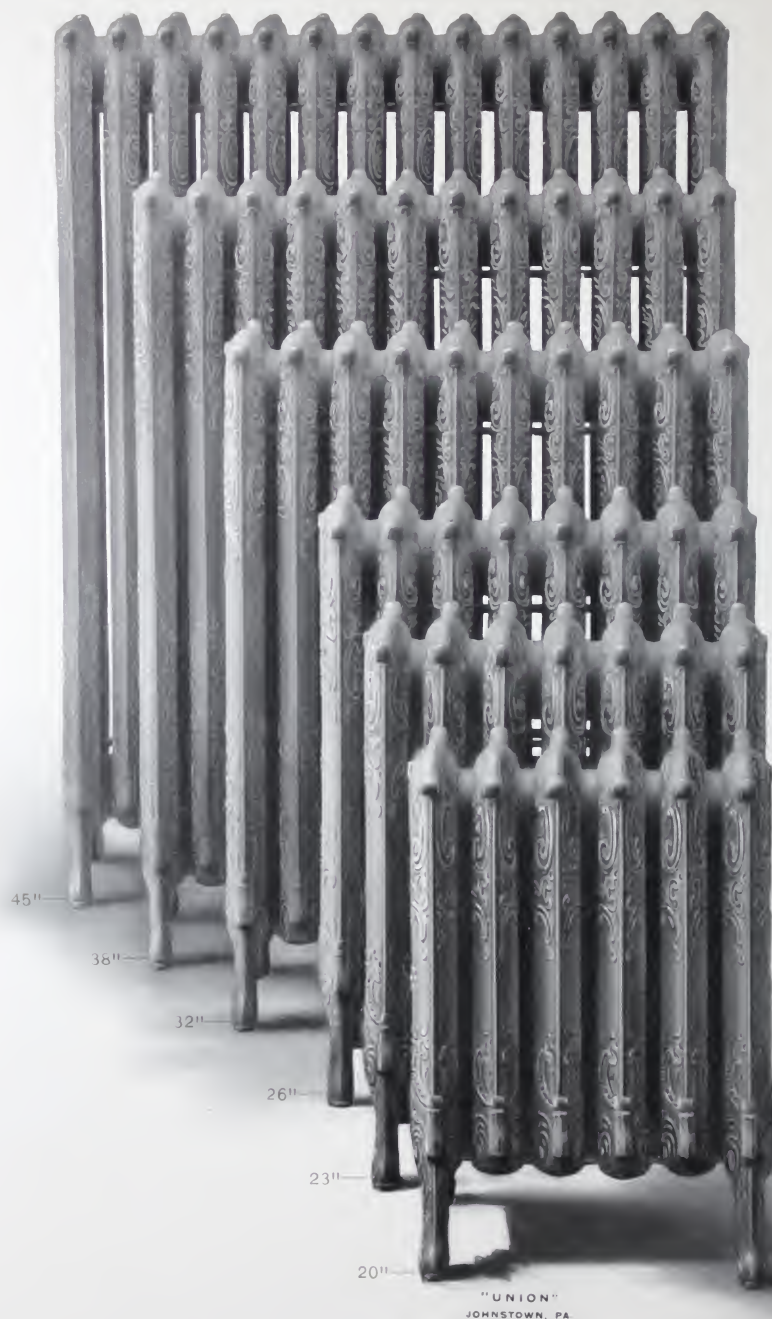
Photographic view of the 23-inch height of the "CONCORD" Three-Column Radiator. The 36-inch height is shown on page 9, and all sizes of the "CONCORD" Three-Column Radiators are shown on page 21. The above view is shown to enable prospective purchasers to picture a more definite idea of the different sizes that could be done by an imaginary comparison.

U N I O N R A D I A T O R C O M P A N Y



Photographic view of the liberal air space provided in the "CONCORD" Radiators. The greater the air space the more efficient the radiator. Concave surfaces provide greater air space. "CONCORD" Radiators all have concave surfaces, making them the most efficient radiators obtainable.

U N I O N R A D I A T O R C O M P A N Y



Photographic view showing the liberal air space, and permitting an accurate comparison of the six heights of the "CONCORD" Three-Column Radiator.

U N I O N R A D I A T O R C O M P A N Y



Photographic view permitting an accurate comparison of the six heights of the "CONCORD" Three-Column Radiator and portraying the beauty of ornamentation and perfection of the castings.

U N I O N R A D I A T O R C O M P A N Y

Special Radiators

As announced on the first page, we make no attempt in this catalogue to show our entire line of radiators. As all of our radiators are adapted for the purpose, we can build them into special shapes and designs, such as circular, curved, corner, window and stairway radiators. We therefore invite inquiries for information and prices on radiators for every purpose.

Regular Tappings

Unless otherwise specified all Radiators will be tapped solid as follows:

One Pipe Steam

24 square feet and under	1 inch
Above 24, but not exceeding 60 feet	1 $\frac{1}{4}$ inch
Above 60, but not exceeding 100 feet	1 $\frac{1}{2}$ inch
Above 100 square feet	2 inch

Two Pipe Steam

48 square feet and under	1 x $\frac{3}{4}$ inch
Above 48, but not exceeding 96 feet	1 $\frac{1}{4}$ x 1 inch
Above 96 square feet	1 $\frac{1}{2}$ x 1 $\frac{1}{4}$ inch

Hot Water

Radiators containing 40 square feet and under	1 x 1 inch
Above 40, but not exceeding 72 feet	1 $\frac{1}{4}$ x 1 $\frac{1}{4}$ inch
Above 72 square feet	1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ inch

Extra high or low solid legs can be furnished, on special order only, in all heights of "CONCORD" Radiators so that distance from floor to center of tapping boss will be 3, 4, 5 $\frac{1}{2}$, 6, 6 $\frac{1}{2}$, 7 or 8 inches respectively, as ordered.

Chasmar-Winchell Press New York and Pittsburgh

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CCA

